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🔍 Title: **JP62005842A2: MANUFACTURE OF FIBER REINFORCED RESIN MOLDED PRODUCT**

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **KONDO KATSUMI;
HORI RYUZO;
TSUCHIYA YASUHIRO;
MIYAZAKI SHOJI;**

🔍 Assignee: **TOYOTA MOTOR CORP**
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🔍 Application Number: **JP1985000144309**

🔍 IPC Code: **B29D 23/22; B29C 67/14;**

🔍 Priority Number: **1985-07-01 JP1985000144309**

🔍 Abstract:

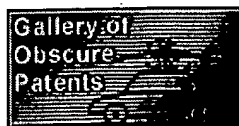
PURPOSE: To provide the molding process capable of further complicating the shape of a large molded product by a method in which after a continuous fiber bundle impregnated with resin has been wound like the meshes of a net around a mandrel, the inner pressure of the mandrel is heightened, while constraining said bundle with a heated mold, whereby the impregnating resin is cured.

CONSTITUTION: The bundles 2 of glass fibers are passed from bobbins 1 through an epoxy resin bath 3 and impregnated with resin, and it is wound on the hollow mandrel 4 made of easily deformable silicon rubber. Said material is constrained, applying a load W, with the mold 7 composed of a top force 7a and a bottom force 7b, and including a heating device therein. Then, the pressure in between the mold 7 and the hollow mandrel is heightened to 5W7kg/cm2, applying gas pressure F from a pipe 5. If the temperature of the mold 7 is raised to 100W150°C, the fiber bundle 6 impregnated with resin is cured after 1W4hr. Then, the mold 7 is removed and the gas in the hollow mandrel 4 is sucked and exhausted.

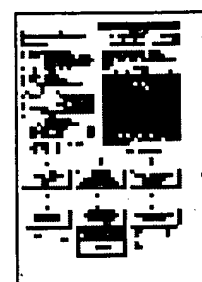
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🔍 Family: **None**

🔍 Other Abstract Info: **DERABS C87-047360 DERC87-047360**



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